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Order from OTS, SLA, or ETC \$1.10 TT-64-14456

Trans. of Neftekhimiya (USSR) 1961, v. 1 [no. 1]  
p. 60-64. (Abstract available)

DESCRIPTORS: \*Butadienes, Polymerization, \*Cyclo-  
hexenes, Hydrogenation, Dehydrogenation, \*Cyclo-  
hexanes, \*Styrenes, Synthesis (Chemistry)

The process of butadiene polymerization was studied in  
flow-reactor under atmospheric pressure on different  
catalysts (phosphoric acid on Kieselguhr, chromia-  
alumina) and packings (active carbon, glass) at different  
space velocity and temperature. Optimum conditions of  
vinylcyclohexene formation were found on the carbon  
packing; temperature 400 C, space velocity 12 hour<sup>-1</sup>,  
(Chemistry--Organic, IT, v. 11, no. 7) (over)

TT-64-14456

1. Title: Vinyl cyclohexane
1. Faushkin, Ya. M.
11. Yuzvyak, A. G.

Office of Technical Services

(SF-1879)

Second All-Union Conference on Radiation Chemistry,  
by N. Ya. Chernyak, 5 pp.

RUSSIAN, per, Neftekhimiya, Vol I, No 1, 1961,  
pp 121-123.

JPRS 11452

Sci .. Chem

Jan 62

171,398



Kamzolkin, V. V., Bashkurov, A. N., and Lodzik,  
S. A.

COMPOSITION OF THE ALCOHOLS PRODUCED BY  
DIRECT OXIDATION OF PARAFFIN HYDROCARBONS  
UNDER INDUSTRIAL CONDITIONS. [1963] [12p]

6refs

Order from OTS or SLA \$1.60

63-20215

Trans. of Neftekhimiya (USSR) 1961, v. 1 [no. 2]  
p. 260-266.

DESCRIPTORS: \*Hydrocarbons, Oxidation, \*Alcohols,  
Acetates, Glycols, Separation, Chromatographic analy-  
sis, Ketones, Industrial research.

It was shown, that alcohols and their acetates can be  
separated from glycols and their acetates by the method  
of chromatography on silica-gel. Application of the  
method to the investigation of composition of the in-  
dustrial alcohols, industrially produced by direct oxida-  
(Engineering--Chemical, TT, v. 10, no. 11) (over)

63-20215

I. Kamzolkin, V. V.  
II. Bashkurov, A. N.  
III. Lodzik, S. A.

Office of Technical Services

(SP-1878)

Scientific-Technical Conference on  
the Problems of Benzene Production, by  
V. I. Klimenko, 7 pp.

RUSSIAN, per, Neftokhimiya, Vol. I,  
No 2, Mar/Apr 1961, pp 292-294.

JPRS 13033

Sci - Misc  
Mar 62

189, 481

The Effect of Pro and Antioxidants on the Lubricating  
Action of Mineral Oils, by G. V. Vinogradov,  
Goskhozizdat, et al.  
RUSSIAN, per. English, Vol 1, No 3, 1961, pp 427-432.  
\*TIC-11-64-843

Ext - Chem  
Ext 64

Aspects of the Combined Action of Air (molecular oxygen) and of Organic Sulphur, Phosphorous and Chlorine Compounds as Additives to Petroleum Oils of different Viscosities, by V. G. V. Vinogradov. 26 pp.

RUSSIAN, per, Neftokhimiya, No 3, 1961,  
pp 433-443.

Sol - Chena  
Mar 63

ALL M 8854

075 63-26576

~~SECRET~~  
224,285

TT-64-14457

Berezin, I. V., Bykovchenko, V. G., and  
Meluzova, G. B.

INVESTIGATION ON THE KINETICS AND MECHANISM OF LIQUID-PHASE CYCLODODECANE OXIDATION BY MOLECULAR OXYGEN. I. QUANTITATIVE ANALYSIS OF CYCLODODECANOL AND CYCLODODECANONE IN THE OXIDATION PRODUCTS MIXTURE BY MEANS OF THEIR INFRARED ABSORPTION SPECTRA. [1963] 8p. refs

Order from OTS, SLA, or ETC \$1.10 TT-64-14457

Trans. of Neftekhimiya (USSR) 1961, v. 1 [no. 4]  
p. 535-540. (Abstract available)

DESCRIPTORS: \*Cycloalkanes, Oxidation, Alcohols, Ketones, Quantitative analysis, \*Infrared spectroscopy, Absorption spectrum.

(Chemistry--Analytical, TT, v. 11, no. 7) (over)

1. Title: Cyclododecane
2. Title: Cyclododecanol
3. Title: Cyclododecanone
- I. Berezin, I. V.
- II. Bykovchenko, V. G.
- III. Meluzova, G. B.
- IV. Title: Quantitative ...

Office of Technical Services